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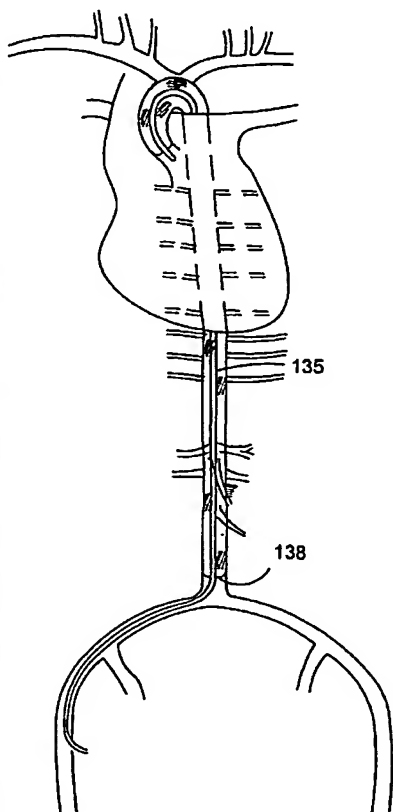
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(54) Title: **METHODS, COMPOSITIONS AND APPARATUS FOR DELIVERING HETEROLOGOUS MOLECULES TO CELLS**



(57) Abstract: A method for transferring a macromolecular complex to muscle cells by exsanguinating a region of the subject's microvasculature and delivering the complex to this region under high hydrostatic pressure. A balloon catheter (101) having a balloon (103) that extends substantially the full length of the cannula that is inserted into the subject is provided for use in the systemic delivery of macromolecular complex.

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